

Search statement 1

?ep-775709/pn

\*\* SS 1: Results 1

Search statement 2

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1/1 WPAT - (C) Derwent- image

AN - 1997-273338 [25]

XA - C1997-088106

TI - Preparation of di-oxidised or higher oxidised carboxylic acids from carbohydrates, primary alcohols or derivatives - by catalytic oxidation followed by electrodialysis, giving high selectivity

DC - A41 E17 J03

PA - (SUED-) SUEDZUCKER AG

- (SUED-) SUEDZUCKER AG MANNHEIM/OCHSENFURT

IN - KOWALCZYK J; KUNZ M; SCHWARZ A

NP - 5

NC - 14

PN - DE19542287 A1 19970515 DW1997-25 C07H-007/00 8p \*

AP: 1995DE-1042287 19951114

- EP-775709 A1 19970528 DW1997-26 C07H-003/04 Ger 10p

AP: 1996EP-0118002 19961109

DSR: AT BE CH DE FI FR GB IT LI LU NL

- CA2190308 A 19970515 DW1997-37 C07H-007/033

Continue: Y / N

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AP: 1996CA-2190308 19961114

- JP09183738 A 19970715 DW1997-38 C07B-041/06 7p

AP: 1996JP-0298399 19961111

- US5772013 A 19980630 DW1998-33 B01D-061/44

AP: 1996US-0749092 19961114

PR - 1995DE-1042287 19951114

CT - DE3535720; DE3926642; DE4307388; EP-206054; EP-218150; EP-326673; EP--40709

IC - B01D-061/44 C07B-041/06 C07H-003/04 C07H-007/00 C07H-007/033

B01D-061/42 B01J-023/42 B01J-023/44 C07B-041/08 C07B-063/00

C07C-051/215 C07C-051/23 C07C-051/235 C07C-051/42 C07C-059/105

C07C-059/245 C07C-059/285 C07H-001/06 C07H-007/027 C25D-003/00

C25D-013/00

AB - DE19542287 A

In preparation of di- and higher-oxidised carboxylic acids or carbohydrates, carbohydrate derivatives or prim. alcohols, a 0.1-60% aqueous solution of the carbohydrate (or derivative), prim. alcohol or mono-oxidised derivative of these is oxidised with oxygen or a gas

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containing oxygen, on a noble metal or mixed metal catalyst, the stream of products is fed to one or more electrodialysis stages in series, and the di- or higher-oxidised carboxylic acids are removed and recovered there.

- ADVANTAGE - The di- or higher-functionalised saccharides or saccharide derivatives are hydrophilic, compatible with the skin and form complexes, allowing of easy derivatisation to products in the polymer and tenside sectors. They have better ecological properties than petrochemical products. The catalyst was not deactivated in a 3-day test. Selectivity is better. (Dwg.1/2)

MC - CPI: A01-E12 E07-A02 E10-A07 J03-D J04-E01 N02-F01

UP - 1997-25

UE - 1997-26; 1997-37; 1997-38; 1998-33

Search statement 2

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MAY 15 2001  
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